

# Lars Fredrik Fjällra

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/727971/publications.pdf>

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9  
papers

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1478505

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1474206

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g-index

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docs citations

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times ranked

253  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploration and application of phenomenological RBE models for proton therapy. <i>Physics in Medicine and Biology</i> , 2018, 63, 185013.	3.0	86
2	Linear energy transfer distributions in the brainstem depending on tumour location in intensity-modulated proton therapy of paediatric cancer. <i>Acta Oncologica</i> , 2017, 56, 763-768.	1.8	36
3	A phenomenological biological dose model for proton therapy based on linear energy transfer spectra. <i>Medical Physics</i> , 2017, 44, 2586-2594.	3.0	33
4	Monte Carlo simulations of a low energy proton beamline for radiobiological experiments. <i>Acta Oncologica</i> , 2017, 56, 779-786.	1.8	24
5	The FLUKA Monte Carlo code coupled with an OER model for biologically weighted dose calculations in proton therapy of hypoxic tumors. <i>Physica Medica</i> , 2020, 76, 166-172.	0.7	13
6	Inter-patient variations in relative biological effectiveness for cranio-spinal irradiation with protons. <i>Scientific Reports</i> , 2020, 10, 6212.	3.3	8
7	The Organ Sparing Potential of Different Biological Optimization Strategies in Proton Therapy. <i>Advances in Radiation Oncology</i> , 2021, 6, 100776.	1.2	5
8	Spatial Agreement of Brainstem Dose Distributions Depending on Biological Model in Proton Therapy for Pediatric Brain Tumors. <i>Advances in Radiation Oncology</i> , 2021, 6, 100551.	1.2	3
9	Implementation of a double scattering nozzle for Monte Carlo recalculation of proton plans with variable relative biological effectiveness. <i>Physics in Medicine and Biology</i> , 2020, 65, 225033.	3.0	3